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JP58122630 A
SUPPORTER OF OPTICAL HEAD
BLOCK IN OPTICAL RECORDER AND
REPRODUCER
MATSUSHITA ELECTRIC IND CO LTD

Abstract:

PURPOSE: To form a drive mechanism for focusing and tracking, by making an optical system contained in a head block formed in arm shape and supporting the head block freely rotatably in taking the center of gravity of the head block as a fulcrum.

CONSTITUTION: The head block 20 is formed in an arm shape and the inside of the block is fitted with a semiconductor laser 21, a collimator lens 22, a half mirror 23, a detection lens 24, an optical detector 25, a fixed mirror 26, and an objective lens 27. The head block 20 is supported rotably on a plane vertical to a recording medium 29 with a pivot bearing 28 and on a plane in parallel with the medium 29 with a roller bearing 30. The drive to each direction is done with an electromagnetic drive unit 31.

[loading drawing]

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Int'l Class: G11B00708

G02B00702 G11B02102

Patents Citing This One (5):

- EP0744737 A1 19961127 TAM CO., LTD
OPTICAL PICKUP DRIVING DEVICE FOR
OPTICAL DISK
- US4922477 A 19900501 NEC Home Electronics Ltd.
Optical head unit
- WO2004027766 A1 20040401 KONINKLIJKE PHILIPS ELECTRONICS
N.V.
OPTICAL DISC APPARATUS
- WO2004027767 A1 20040401 KONINKLIJKE PHILIPS ELECTRONICS
N.V.
OPTICAL DISC APPARATUS
- WO2004049320 A1 20040610 KONINKLIJKE PHILIPS ELECTRONICS
N.V.
PIVOTING OPTICAL DEVICE



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